

LISTING OF CLAIMS

Claim 37: (Currently Amended)

A stabilized buoy platform comprising:

- (a) a buoy,
- (b) at least one stabilizing head is mounted to the buoy;
- (c) two devices including at least one sensor and one tool ~~at least two devices which include at least one of a sensor and one of a tool, and wherein~~
- (d) at least one of the devices is stabilized by the stabilizing head which is comprised of at least a stabilized payload platform, sensor(s) and motor(s) for stabilizing the payload platform in at least two of the three axes of pitch, roll and azimuth, and ~~stabilizes in two or three axes which include of pitch, roll and or azimuth, and~~
- (e) the tool undertakes a physical operation or task which includes at least one of painting, drilling, welding, sand blasting, fire extinguishing, spraying ~~with water, spraying with chemicals, pumping water, pumping chemicals (-) ,~~ pumping, illuminating, and
- (f) the tool is stabilized in at least two axes, including azimuth, relative to the object that it is performing a task upon.

Claim 38: (Previously presented)

The stabilized buoy platform of Claim 37 wherein the stabilizing head stabilizes in three axes of pitch, roll and azimuth.

Claim 39: (Previously presented)

The stabilized buoy platform of Claim 37 comprising a propulsion unit to move the buoy to various locations to accomplish the physical operation or task.

Claim 40: (Currently Canceled)

Claim 41: (Currently Canceled)

Claim 42: (Currently Canceled)

Claim 43: (Previously presented)

The stabilized buoy platform of Claim 37 wherein, at least one of the sensor or the tool, is operated by at least one of remote control or autonomously.

Claim 44: (Previously presented)

The stabilized buoy platform of Claim 37 wherein at least one of the pitch or roll axes allows for motion greater than 180 degrees.

Claim 45. (Currently Canceled)

Claim 46: (Previously presented)

The stabilized buoy platform of Claim 37 wherein the sensor or the tool can be operated from the buoy by direct control of a human operator or a computer stationed on the buoy platform.

Claim 47: (Currently amended)

~~The stabilized buoy platform of Claim 37 wherein a computer recognizes movement within the stabilized sensor image and;~~
~~the computer sends signals which control at least one of the sensor, the stabilizer or the tool to track the movement seen within the stabilized image.~~

The stabilized buoy platform of Claim 37 wherein a computer that is stationed on the buoy platform, interprets camera or sensor imagery, and identifies an object or tracks its path of motion.

Claim 48: (Currently Amended)

The stabilized buoy platform of Claim 37 wherein at the platform configuration includes a camera or sensor,
a corresponding illuminator, and

the computer interprets camera or sensory imagery from at least one of the sensor or tool, and sends signals to a computer which then controls at least one of the tools or supporting stabilizer to take an action.

Claim 49: (Currently Amended)

A stabilized buoy platform comprising:

- (a) a buoy,
- (b) at least one stabilizing head is mounted to the buoy;
- (c) an extension arm extending downward into the water, and
- (d) at least one device which includes at least one of a sensor or a tool, and which is mounted on the extension arm, wherein,
- (e) the device is stabilized in the water in one or more axes of pitch, roll and azimuth by a stabilization system comprised by at least one sensor sensing motion of the platform or the device, and a motor stabilizing at least one of the extension arm or the device.

Claim 50: (Currently Amended)

The stabilized buoy platform of claim 49 comprising at least two devices which include at least one of a sensor ~~or~~ and one of a tool, and

- (a) at least one of the devices is attached above the water and at least one of the devices is attached below the water, and
- (b) both devices are stabilized in one or more axes.

Claim 51: (Previously presented)

The stabilized buoy platform of claim 37 wherein the sensor is replaced with a human who operates the tool, and at least one of the person or the tool are stabilized.

Claim 52: (Presently Amended)

The method of stabilizing at least one device on a buoy and undertaking a physical operation or task comprising the steps of;

- (a) mounting at least one stabilizing head on a buoy,

- (b) mounting at least two devices on the buoy which include at least one of a sensor and one of a tool,
- (c) mounting at least one of the devices on the stabilizing head, and using at least one sensor that senses motion of the buoy, and at least one motor which stabilizes the payload platform in response to information from the sensor, and
- (d) the tool is undertaking a physical operation or task which includes at least one of painting, drilling, welding, sand blasting, fire extinguishing, spraying, pumping, or ~~with water, spraying with chemicals, illuminating,—, and~~
- (e) stabilizing the tool in at least two axes, including azimuth, relative to the object that it is performing a task upon.

Claim 53: (Previously presented)

The method of claim 52 and the step of mounting a propulsion unit to the buoy platform for moving the buoy on the water.

Claim 54: (Currently Amended)

The method of claim 53 including the step of;
the buoy platform moving to different locations using its propulsion system and initiating physical operations using the tools affixed to the platform.

Claim 55: (Currently Canceled)

Claim 56: (Currently Amended)

~~The method of claim 52 wherein there is the step of operating the stabilized sensor or the tool by at least one of remote control or autonomously.~~

The method of Claim 52 wherein the sensor senses the location of the object to be painted, and the sensor senses the non-painted areas of the object to be painted, and the painting tool evenly applies paint to the non painted areas based upon the information provided by the sensor.

Claim 57: (Previously presented)

The method of claim 52 wherein the stabilizing head is stabilizing in three axes of pitch, roll and azimuth.

Claim 58: (Previously presented)

The method of claim 52 where by remote control, the stabilized buoy platform is performing at least one of the tasks of firefighting, painting, drilling, welding or sandblasting.

Claim 59: (Previously presented)

The method of claim 52 where by autonomous means, the stabilized buoy platform is performing at least one of the tasks of firefighting, painting, drilling, welding or sandblasting.

Claim 60: (Currently Amended)

~~The method of claim 52 wherein there is the step of making the stabilizing at least one of remote controlled or autonomous, and the stabilized painting tool is used for painting at least one of a ship, wharf, pier or pilings.~~

The method of claim 52 wherein both the sensor and the tool are stabilized in at least two axis which include the azimuth axis, and the buoy has motorized propulsion allowing it to move to different locations using its location reference sensor, and initiate physical operations using equipment onboard the buoy.

Claim 61: (Previously canceled)

Claim 62 (Currently Amended)

The method of fighting a fire comprising;

- (a) mounting at least one stabilizing head on a buoy or moving platform,
- (b) mounting a device including at least one camera, sensor, or tool to be stabilized, on the payload platform of the stabilizing head,

(c) stabilizing at least one of the ~~camera~~, sensor(s) or tool(s) mounted on the stabilizing head, wherein the sensor senses motion, and a motor, in response to information from the sensor, stabilizes the payload platform in at least one or more axes,

and

(d) the tool is at least one of a firefighting tool or fire hose for putting out a fire.

Claim 63: (Previously presented)

The method of claim 62 comprising a propulsion unit for moving the buoy to various locations.

Claim 64: (Previously presented)

The method of claim 62 wherein the buoy platform can be controlled by at least one of remote control or autonomously.

Claim 65 (Previously presented)

The method of claim 63 including the steps of;
the buoy platform, by at least one of remote control or autonomously, moving to a firefighting position and fighting a fire.

Claim 66 (Previously canceled)

Claim 67: (Previously presented)

The stabilized buoy platform of Claim 37 wherein the stabilized buoy platform is performing by remote control, at least one of the tasks of firefighting, painting, drilling, welding or sandblasting.

Claim 68: (Previously presented)

The stabilized buoy platform of Claim 37, which performs autonomously at least one of the tasks of firefighting, painting, drilling, welding or sandblasting.

Claim 69: (Previously presented)

The stabilized buoy platform of Claim 37 which paints autonomously at least one of a ship, a wharf, a pier, or pilings.

Claim 70: (Currently Canceled)

Claim 71: (Currently Canceled)

Claim 72: (Previously presented)

The stabilized buoy platform of Claim 37 which incorporates at least one of a GPS or magnetometer for location reference.

Claim 73: (Previously presented)

The stabilized buoy platform of claim 49 further comprising an actuating mechanism projecting downward to compensate for the rise and fall of the buoy platform to keep a sensor or device a fixed level below the surface of the water to the extent allowed by the actuating mechanism.

Claim 74: (Previously presented)

The stabilized buoy platform of claim 49 comprising a propulsion unit to move the buoy to various locations.

Claim 75: (Previously presented)

The stabilized buoy platform of claim 49 which is be controlled by at least one of remote control or autonomously.

Claim 76: (Currently Canceled)

Claim 77 (New)

The stabilized buoy platform of Claim 37 wherein a computer that is stationed on the buoy platform, interprets camera or sensor imagery.

identifies an object or tracks its path of motion, and
the computer sends signals which control at least one of the sensor, the stabilizer or the
tool to track one or more object within the sensor's field of view.

Claim 78: (New)

The stabilized buoy platform of Claim 37 wherein the stabilizing head stabilizes in at
least two axis including azimuth.

Claim 79: (new)

The stabilized buoy platform of claim 37 wherein the tool undertakes a physical
operations, and
the stabilized buoy platform has motorized propulsion, and
a location reference sensor, and
the stabilized buoy platform uses its motorized propulsion to maintain position.

Claim 80: (New)

The stabilized buoy platform of claim 37 wherein the tool undertakes a physical
operation or task which includes at least one of spraying with water, spraying with
chemicals, pumping water, pumping chemicals.

Claim 81: (New)

The stabilized buoy platform of claim 37 wherein a level sensor senses level relative to
the payload plate and corrections are made for errors and anomalies over time of the
gyros or rate sensors that sense motion of the buoy.

Claim 82: (New)

The stabilized buoy platform of claim 37 wherein a computer recognizes sensor data
from the sensor and the computer controls the tool to perform its physical operation or
task based upon information from the sensor.

END OF LIST OF CLAIMS